

Title (en)
IMPROVED METHOD FOR SYNTHESIZING PIRFENIDONE

Title (de)
VERBESSERTES VERFAHREN ZUR SYNTHETISIERUNG VON PIRFENIDON

Title (fr)
PROCÉDÉ DE SYNTHÈSE AMÉLIORÉ DE LA PIRFÉNIDONE

Publication
EP 2440543 A4 20121121 (EN)

Application
EP 10784021 A 20100602

Priority
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• US 18358809 P 20090603

Abstract (en)
[origin: WO2010141600A2] A process for synthesizing pirfenidone from bromobenzene having less than about 0.15% by weight dibromobenzene is disclosed. Also disclosed are processes of synthesizing pirfenidone without using ethyl acetate or n-butanol, and pirfenidone having controlled levels of ethyl acetate, n-butanol, di(5-methyl-2-pyridinone)benzenes, and other impurities having specified retention times. Also disclosed are formulated dosage forms including the disclosed pirfenidone.

IPC 8 full level
C07D 401/10 (2006.01); **A61K 31/4412** (2006.01); **A61P 9/00** (2006.01); **C07D 213/64** (2006.01)

CPC (source: EP KR US)
A01N 43/40 (2013.01 - KR); **A61K 31/4412** (2013.01 - EP KR US); **A61P 1/16** (2017.12 - EP); **A61P 9/00** (2017.12 - EP); **A61P 11/00** (2017.12 - EP); **A61P 13/08** (2017.12 - EP); **A61P 13/12** (2017.12 - EP); **A61P 17/00** (2017.12 - EP); **A61P 17/02** (2017.12 - EP); **A61P 19/02** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 213/64** (2013.01 - EP US); **C07D 213/643** (2013.01 - KR)

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WO 2010141600 A2 20101209; WO 2010141600 A3 20110421; AP 2012006052 A0 20120229; AP 3630 A 20160308; AR 076974 A1 20110720; AU 2010256693 A1 20120112; AU 2010256693 B2 20150917; BR PI1011015 A2 20180214; BR PI1011015 B1 20201110; BR PI1011015 B8 20210525; CA 2764043 A1 20101209; CA 2764043 C 20180116; CL 2011003069 A1 20120525; CN 102482255 A 20120530; DK 2440543 T3 20150518; EA 021826 B1 20150930; EA 201101695 A1 20120530; EP 2440543 A2 20120418; EP 2440543 A4 20121121; EP 2440543 B1 20150415; ES 2538103 T3 20150617; GE P20156223 B 20150126; HN 2011003187 A 20150202; HR P20150696 T1 20150828; HU E026014 T2 20160530; IL 216565 A0 20120301; IL 216565 A 20150630; JP 2012528877 A 20121115; JP 2016026196 A 20160212; JP 5848244 B2 20160127; KR 101734858 B1 20170512; KR 20120016277 A 20120223; MA 33489 B1 20120801; MX 2011012654 A 20120112; MY 162443 A 20170615; NI 201100211 A 20120801; NZ 596872 A 20131220; PE 20120398 A1 20120513; PL 2440543 T3 20150930; PT 2440543 E 20150703; RS 54031 B1 20151030; SG 176648 A1 20120130; SI 2440543 T1 20150630; TN 2011000615 A1 20130524; TW 201043602 A 20101216; TW I434833 B 20140421; UA 106759 C2 20141010; US 2011003863 A1 20110106; US 2012016133 A1 20120119; US 2013345430 A1 20131226; US 2014221660 A1 20140807; US 2015065720 A1 20150305; US 2015368200 A1 20151224; US 8519140 B2 20130827; ZA 201108794 B 20130327

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